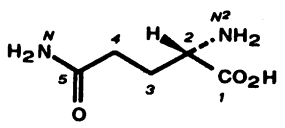
Glutamic–imidazoleacetol phosphate transaminase
See *Aminotransferase, histidinol phosphate [9032–98–8]*
Glutamic isomerase
See *Mutase, methylaspartate [9032–97–7]*
Glutamic–ketoadipic transaminase
See *Aminotransferase, 2–aminoadipate [9033–00–5]*
Glutamic mutase
See *Mutase, methylaspartate [9032–97–7]*
Glutamic–oxalacetic transaminase
See *Aminotransferase, aspartate [9000–97–9]*
Glutamic–phenylpyruvic aminotransferase
See *Aminotransferase, tyrosine [9014–55–5]*
Glutamic–pyruvic transaminase
See *Aminotransferase, alanine [9000–86–6]*
Glutamimide
See *2,6–Piperidinedione, 3–amino– [2353–44–8]*
Glutaminamide
Peptides of glutaminamide are indexed at *Glutamamide*. Glutaminamide itself is indexed at *Pentanediamide, 2–amino– [25683–11–8]*
Glutaminase
——, peptidyl–, II
See *Glutaminase, glutaminylpeptide [62213–11–0]*
Glutaminase II
See *Aminotransferase, glutamine–keto acid [9030–44–8]*
Glutamin–(asparagin–)ase
See *Glutaminase–asparaginase [39335–03–0]*
Glutamine *[6899–04–3]*
The L–isomer has been assumed unless otherwise specified or implied in the original document and is indexed at *L–Glutamine [56–85–9]*. When synthetic glutamine has been clearly indicated in the original document, the racemate has been assumed and is indexed at this heading. These assumptions have also been made for their *N*(or N^2)–substituted derivs. and for their unsubstituted and *N*(or N^2)–substituted acid derivs. (e.g., esters, hydrazides)
Studies of salts of aluminum, beryllium, gallium, indium, magnesium, thallium and the transition metals are indexed at these metals. Other metal salts are indexed at the *Glutamine* headings
——, *N*–(4–amino–1–carboxybutyl)–
See *Ornithine, N^2–γ–glutamyl– [6713–96–8]*
——, *N*–(5–amino–5–carboxypentyl)–
See *Lysine, N^6–γ–glutamyl– [5698–96–4]*
——, N^2–carboxy–
cyclic anhydride ——
see *4–Oxazolidinepropanamide, 2,5–dioxo– [16874–69–4]*
——, *N*–(1–carboxyethyl)–
See *Alanine, γ–glutamyl– [5105–65–7]*
——, *N*–(2–carboxyethyl)–
See *β–Alanine, L–γ–glutamyl– [6014–40–0]*
——, *N*–(1–carboxy–2–hydroxyethyl)–
See *Serine, γ–glutamyl– [6710–19–6]*
——, *N*–(1–carboxy–3–methylbutyl)–
See *Leucine, γ–glutamyl– [3790–55–4]*
——, *N*–(1–carboxy–2–methylpropyl)–
See *Valine, γ–glutamyl– [5633–04–5]*
——, *N*–[1–carboxy–3–(methylthio)propyl]–
See *Methionine, γ–glutamyl– [4381–82–2]*
L–Glutamine *[56–85–9]*



——, *N*–acetyl–L–alanyl–L–α–aspartyl–L–lysyl–L–prolyl–L–α–aspartyl–L–leucylglycyl–L–α–glutamyl–L–isoleucyl–L–asparaginyl–L–seryl–L–phenylalanyl–L–α–aspartyl–L–lysyl–L–alanyl–L–lysyl–L–leucyl–L–lysyl–L–lysyl–L–threonyl–L–α–glutamyl–L–threonyl–L–glutaminyl–L–α–glutamyl–L–lysyl–L–asparaginyl–L–threonyl–L–leucyl–L–prolyl–L–threonyl–L–lysyl–L–α–glutamyl–L–threonyl–L–isoleucyl–L–α–glutamyl–L–glutaminyl–L–α–glutamyl–L–lysyl–
See *Thymosin β_8 (cattle) [81775–03–3]*
——, *N*–acetyl–2–methylalanyl–L–prolyl–2–methylalanyl–L–alanyl–2–methylalanyl–L–alanyl–L–glutaminyl–2–methylalanyl–L–valyl–2–methylalanylglycyl–L–leucyl–2–methylalanyl–L–prolyl–L–valyl–2–methylalanyl–2–methylalanyl–*N*–[1–(hydroxymethyl)–2–phenylethyl]–L–glutaminyl–
(*S*)– —— see *Alamethicin α [79767–51–4]*
——, *N*–acetyl–L–tyrosylglycylglycyl–L–phenylalanyl–L–methionyl–L–lysyl–L–prolyl–L–tyrosyl–L–threonyl–L–lysyl–L–glutaminyl–L–seryl–L–histidyl–L–lysyl–L–prolyl–L–leucyl–L–isoleucyl–L–threonyl–L–leucyl–L–leucyl–L–lysyl–L–histidyl–L–isoleucyl–L–threonyl–L–leucyl–L–lysyl–L–asparaginyl–L–α–glutamyl–
See *Endorphin I (Oncorhynchus keta) [71263–20–2]*
——, *N*–acetyl–L–tyrosylglycylglycyl–L–phenylalanyl–L–methionyl–L–lysyl–L–seryl–L–tryptophyl–L–asparaginyl–L–α–glutamyl–L–arginyl–L–seryl–L–glutaminyl–L–lysyl–L–prolyl–L–leucyl–L–leucyl–L–threonyl–L–leucyl–L–phenylalanyl–L–lysyl–L–asparaginyl–L–valyl–L–isoleucyl–L–isoleucyl–L–lysyl–L–α–aspartylglycyl–L–glutaminyl–
See *Endorphin II (Oncorhynchus keta) [73692–59–8]*
——, *N*–acetyl–L–tyrosylglycylglycyl–L–phenylalanyl–L–methionyl–L–lysyl–L–seryl–L–tryptophyl–L–α–aspartyl–L–α–glutamyl–L–arginyl–L–seryl–L–glutaminyl–L–lysyl–L–prolyl–L–leucyl–L–leucyl–L–threonyl–L–leucyl–L–phenylalanyl–L–lysyl–L–asparaginyl–L–valyl–L–isoleucyl–L–isoleucyl–L–lysyl–L–α–aspartylglycyl–L–histidyl–L–glutaminyl–L–lysyl–L–lysylglycyl–
See *β–Endorphin (Lepisosteus osseus) [197664–39–4]*
——, L–alanyl–L–arginyl–L–tyrosyl–L–arginyl–L–cysteinyl–L–cysteinyl–L–leucyl–L–threonyl–L–histidyl–L–seryl–L–arginyl–L–seryl–L–arginyl–L–cysteinyl–L–arginyl–L–arginyl–L–arginyl–L–arginyl–L–arginyl–L–arginyl–L–cysteinyl–L–arginyl–L–arginyl–L–arginyl–L–arginyl–L–arginyl–L–arginyl–L–phenylalanylglycyl–L–arginyl–L–arginyl–L–arginyl–L–arginyl–L–arginyl–L–arginyl–L–valyl–L–cysteinyl–L–cysteinyl–L–arginyl–L–arginyl–L–tyrosyl–L–threonyl–L–valyl–L–valyl–L–arginyl–L–cysteinyl–L–threonyl–L–arginyl–
See *Protamine (sheep reduced) [93585–91–2]*
——, L–alanyl–L–arginyl–L–tyrosyl–L–arginyl–L–cysteinyl–L–cysteinyl–L–leucyl–L–threonyl–L–histidyl–L–serylglycyl–L–seryl–L–arginyl–L–cysteinyl–L–arginyl–L–arginyl–L–arginyl–L–arginyl–L–arginyl–L–cysteinyl–L–arginyl–L–arginyl–L–arginyl–L–arginyl–L–arginyl–L–phenylalanylglycyl–L–arginyl–L–arginyl–L–arginyl–L–arginyl–L–arginyl–L–arginyl–L–valyl–L–cysteinyl–L–cysteinyl–L–arginyl–L–arginyl–L–tyrosyl–L–threonyl–L–valyl–L–isoleucyl–L–arginyl–L–cysteinyl–L–threonyl–L–arginyl–
See *Histone (cattle sperm nuclear reduced) [39293–25–9]*
——, L–alanyl–L–asparaginyl–L–α–glutamylglycyl–L–α–aspartyl–L–valyl–L–tyrosyl–L–lysyl–L–cysteinyl–L–α–glutamyl–L–leucyl–L–cysteinylglycyl–L–glutaminyl–L–valyl–L–valyl–L–lysyl–L–valyl–L–leucyl–L–α–glutamyl–L–α–glutamylglycylglycylglycyl–L–threonyl–L–leucyl–L–valyl–L–cysteinyl–L–cysteinylglycyl–L–α–glutamyl–L–α–aspartyl–L–methionyl–L–valyl–L–lysyl–
See *Desulforedoxin (Desulfovibrio gigas protein moiety reduced) [72066–33–2]*
——, L–alanyl–L–leucyl–L–tryptophyl–L–lysyl–L–threonyl–L–methionyl–L–leucyl–L–lysyl–L–lysyl–L–leucylglycyl–L–threonyl–L–methionyl–L–alanyl–L–leucyl–L–histidyl–L–alanylglycyl–L–lysyl–L–alanyl–L–alanyl–L–leucylglycyl–L–alanyl–L–alanyl–L–α–aspartyl–L–threonyl–L–isoleucyl–L–seryl–L–glutaminylglycyl–L–threonyl–
See *Dermaseptin I (Phyllomedusa sauvagei) [136033–70–0]*
——, L–alanyl–L–leucyl–L–tryptophyl–L–phenylalanyl–L–threonyl–L–methionyl–L–leucyl–L–lysyl–L–lysyl–L–leucylglycyl–L–threonyl–L–methionyl–L–alanyl–L–leucyl–L–histidyl–L–alanylglycyl–L–lysyl–L–alanyl–L–alanyl–L–leucylglycyl–L–alanyl–L–alanyl–L–alanyl–L–asparaginyl–L–threonyl–L–isoleucyl–L–seryl–L–glutaminylglycyl–L–threonyl–
See *Dermaseptin II (Phyllomedusa sauvagei) [151896–13–8]*
——, L–asparaginyl–L–prolyl–L–leucyl–L–phenylalanylglycyl–L–isoleucyl–L–alanylglycyl–L–α–glutamyl–L–α–aspartylglycyl–L–prolyl–L–threonylglycyl–L–prolyl–L–serylglycyl–L–isoleucyl–L–valylglycyl–
See *Nephritogenoside (rat peptide moiety) [117310–67–5]*
——, L–asparaginyl–L–threonyl–L–phenylalanyl–L–seryl–L–α–aspartyl–L–α–glutamyl–L–asparaginyl–L–prolylglycyl–L–phenylalanyl–L–prolyl–L–cysteinyl–L–α–aspartyl–L–cysteinyl–L–threonyl–L–seryl–L–alanyl–L–α–aspartyl–L–alanyl–L–lysyl–L–arginyl–L–alanyl–L–cysteinylglycyl–L–isoleucyl–L–glutaminyl–L–cysteinyl–L–alanyl–L–cysteinyl–L–tryptophyl–L–prolyl–L–arginylglycyl–L–α–aspartyl–L–threonyl–L–prolylglycylglycylglycyl–L–arginyl–L–arginyl–L–isoleucyl–L–isoleucyl–L–α–aspartylglycyl–L–glutaminyl–
See *Variabilin (peptide reduced) [180472–91–7]*
——, L–α–aspartyl–L–valyl–L–α–glutamyl–L–glutaminyl–L–prolyl–L–leucyl–L–valyl–L–asparaginylglycyl–L–prolyl–L–leucyl–L–histidylglycyl–L–α–glutamyl–L–valylglycyl–L–α–glutamyl–L–leucyl–L–prolyl–L–phenylalanyl–L–glutaminyl–L–histidyl–L–α–glutamyl–L–α–glutamyl–L–tyrosyl–
See *Proinsulin C–peptide (duck) [41928–00–1]*
——, N^2–[*N*–[*N*–[*N*–[*N*–[*N*–[*N*–(*N*–benzoyl–D–alanyl)–D–phenylalanyl]–L–valyl]–L–isoleucyl]–D–α–aspartyl]–L–α–aspartyl]–D–α–glutamyl]–
See *Lophyrotomin [85932–85–0]*
——, *N*–[2–[(carboxymethyl)amino]–1–methyl–2–oxoethyl]–
(*S*)– —— see *Glycine, L–γ–glutamyl–L–alanyl– [16305–88–7]*
——, L–α–glutamyl–L–alanyl–L–α–glutamyl–L–asparaginyl–L–prolyl–L–glutaminyl–L–alanylglycyl–L–alanyl–L–valyl–L–α–glutamyl–L–leucylglycylglycylglycyl–L–leucylglycylglycyl–L–leucyl–L–glutaminyl–L–alanyl–L–leucyl–L–alanyl–L–leucyl–L–α–glutamylglycyl–L–prolyl–L–prolyl–
See *Proinsulin C–peptide (swine) [39802–44–3]*
——, L–α–glutamyl–L–alanyl–L–α–glutamyl–L–α–aspartyl–L–leucyl–L–glutaminyl–L–valylglycyl–L–glutaminyl–L–valyl–L–α–glutamyl–L–leucylglycylglycylglycyl–L–prolylglycyl–L–alanylglycyl–L–seryl–L–leucyl–L–glutaminyl–L–prolyl–L–leucyl–L–alanyl–L–leucyl–L–α–glutamylglycyl–L–seryl–L–leucyl–
See *Proinsulin C–peptide (human) [33017–11–7]*
——, L–α–glutamyl–L–alanyl–L–α–glutamyl–L–α–aspartyl–L–prolyl–L–glutaminyl–L–valylglycyl–L–glutaminyl–L–valyl–L–α–glutamyl–L–leucylglycylglycylglycyl–L–prolylglycyl–L–alanylglycyl–L–seryl–L–leucyl–L–glutaminyl–L–prolyl–L–leucyl–L–alanyl–L–leucyl–L–α–glutamylglycyl–L–seryl–L–leucyl–
See *Proinsulin C–peptide (Cercopithecus aethiops sabaeus) [39016–06–3]*
——, L–α–glutamyl–L–alanyl–L–α–glutamyl–L–α–aspartyl–L–prolyl–L–glutaminyl–L–valylglycyl–L–α–glutamyl–L–valyl–L–α–glutamyl–L–leucylglycylglycylglycyl–L–prolylglycyl–L–leucylglycylglycyl–L–leucyl–L–glutaminyl–L–prolyl–L–leucyl–L–alanyl–L–leucyl–L–alanylglycyl–L–prolyl–L–glutaminyl–
See *Proinsulin C–peptide (horse) [41551–47–7]*
——, L–α–glutamyl–L–asparaginyl–L–phenylalanyl–L–serylglycylglycyl–L–cysteinyl–L–valyl–L–alanylglycyl–L–tyrosyl–L–methionyl–L–arginyl–L–threonyl–L–prolyl–L–α–aspartylglycyl–L–arginyl–L–cysteinyl–L–lysyl–L–prolyl–L–threonyl–L–phenylalanyl–L–tyrosyl–
cyclic (7→19)–disulfide —— see *Growth–blocking peptide (Pseudaletia separata) [134717–14–9]*
——, L–α–glutamylglycyl–L–threonyl–L–phenylalanyl–L–isoleucyl–L–seryl–L–α–aspartyl–L–tyrosyl–L–seryl–L–isoleucyl–L–alanyl–L–methionyl–L–α–aspartyl–L–lysyl–L–isoleucyl–L–arginyl–L–glutaminyl–L–glutaminyl–L–α–aspartyl–L–phenylalanyl–L–valyl–L–asparaginyl–L–tryptophyl–L–leucyl–L–leucyl–L–alanyl–L–glutaminyl–L–lysylglycyl–L–lysyl–L–lysyl–L–seryl–L–α–aspartyl–L–tryptophyl–L–lysyl–L–histidyl–L–asparaginyl–L–isoleucyl–L–threonyl–
See *Gastric inhibitory polypeptide (swine minor) [77192–84–8]*
——, L–α–glutamyl–L–leucyl–L–α–glutamyl–L–α–aspartyl–L–prolyl–L–glutaminyl–L–valyl–L–α–glutamyl–L–glutaminyl–L–threonyl–L–α–glutamyl–L–leucylglycyl–L–methionylglycyl–L–leucylglycyl–L–alanylglycylglycyl–L–prolyl–L–leucyl–L–glutaminyl–L–prolyl–L–leucyl–L–alanyl–L–leucyl–L–α–glutamyl–L–methionyl–L–alanyl–L–leucyl–
See *Proinsulin C–peptide (guinea pig) [53025–65–3]*
——, L–α–glutamyl–L–valyl–L–α–glutamyl–L–α–aspartyl–L–leucyl–L–glutaminyl–L–valyl–L–arginyl–L–α–aspartyl–L–valyl–L–α–glutamyl–L–leucyl–L–alanylglycyl–L–alanyl–L–prolylglycyl–L–α–glutamylglycylglycyl–L–leucyl–L–glutaminyl–L–prolyl–L–leucyl–L–alanyl–L–leucyl–L–α–glutamylglycyl–L–alanyl–L–leucyl–
See *Proinsulin C–peptide (Canis familiaris) [39016–05–2]*
——, L–α–glutamyl–L–valyl–L–α–glutamyl–L–α–aspartyl–L–prolyl–L–glutaminyl–L–valyl–L–alanyl–L–glutaminyl–L–leucyl–L–α–glutamyl–L–leucylglycylglycylglycyl–L–prolylglycyl–L–alanylglycyl–L–α–aspartyl–L–leucyl–L–glutaminyl–L–threonyl–L–leucyl–L–alanyl–L–leucyl–L–α–glutamyl–L–valyl–L–alanyl–L–arginyl–
See *Proinsulin C–peptide II (rat) [41594–08–5]*
——, L–α–glutamyl–L–valyl–L–α–glutamyl–L–α–aspartyl–L–prolyl–L–glutaminyl–L–valyl–L–alanyl–L–glutaminyl–L–leucyl–L–α–glutamyl–L–leucylglycylglycylglycyl–L–prolylglycyl–L–alanylglycyl–L–α–aspartyl–L–leucyl–L–glutaminyl–L–threonyl–L–leucyl–L–alanyl–L–leucyl–L–α–glutamyl–L–valyl–L–alanyl–L–glutaminyl–
See *Proinsulin C–peptide 2 (mouse) [107257–15–8]*
——, L–α–glutamyl–L–valyl–L–α–glutamyl–L–α–aspartyl–L–prolyl–L–glutaminyl–L–valyl–L–α–glutamyl–L–glutaminyl–L–leucyl–L–α–glutamyl–L–leucylglycylglycylglycyl–L–seryl–L–prolylglycyl–L–α–aspartyl–L–leucyl–L–glutaminyl–L–threonyl–L–leucyl–L–alanyl–L–leucyl–L–α–glutamyl–L–valyl–L–alanyl–L–arginyl–
See *Proinsulin C–peptide I (mouse) [107257–14–7]*
——, L–α–glutamyl–L–valyl–L–α–glutamyl–L–α–aspartyl–L–prolyl–L–glutaminyl–L–valyl–L–prolyl–L–glutaminyl–L–leucyl–L–α–glutamyl–L–leucylglycylglycylglycyl–L–prolyl–L–α–glutamyl–L–alanylglycyl–L–α–aspartyl–L–leucyl–L–glutaminyl–L–threonyl–L–alanyl–L–leucyl–L–α–glutamyl–L–valyl–L–alanyl–L–arginyl–
See *Proinsulin C–peptide I (rat) [41475–27–8]*
——, L–α–glutamyl–L–valyl–L–α–glutamyl–L–α–glutamyl–L–leucyl–L–glutaminyl–L–valylglycyl–L–glutaminyl–L–alanyl–L–α–glutamyl–L–leucylglycylglycylglycyl–L–prolylglycyl–L–alanylglycylglycyl–L–leucyl–L–glutaminyl–L–prolyl–L–seryl–L–alanyl–L–leucyl–L–α–glutamyl–L–alanyl–L–leucyl–
See *Proinsulin C–peptide (rabbit) [75106–89–7]*
——, L–α–glutamyl–L–valyl–L–α–glutamylglycyl–L–prolyl–L–glutaminyl–L–valylglycyl–L–alanyl–L–leucyl–L–α–glutamyl–L–leucyl–L–alanylglycylglycyl–L–prolylglycyl–L–alanylglycylglycyl–L–leucyl–L–α–glutamylglycyl–L–prolyl–L–prolyl–
See *Proinsulin C–peptide (cattle) [31631–64–8]*
——, L–α–glutamyl–L–valyl–L–threonyl–L–cysteinyl–L–α–glutamyl–L–prolylglycyl–L–threonyl–L–threonyl–L–phenylalanyl–L–lysyl–L–α–aspartyl–L–lysyl–L–cysteinyl–L–asparaginyl–L–threonyl–L–cysteinyl–L–arginyl–L–cysteinylglycyl–L–seryl–L–α–aspartylglycyl–L–lysyl–L–seryl–L–alanyl–L–alanyl–L–cysteinyl–L–threonyl–L–